

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	148610	"156"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:21
L2	1745365	semiconduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:22
L3	8863	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:27
L4	5562187	cavity or aperture or opening or throughhole or (through adj hole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:27
L5	5318	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:31
L6	5253	5 not (438/121,125 or 29/829,830,835).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:28
L7	813288	laminat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:31
L8	811	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:32

## EAST Search History

L9	5	("20020009826"   "3868770"   "6034427"   "6060778").PN. OR ("6475327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 14:55
L10	3	("6566166").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 14:55
L11	10	("20020124955"   "4783421"   "5027191"   "5420460"   "5583378"   "5840598"   "6395582"   "6440777").PN. OR ("6566166").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 15:22
L12	1641	216/2,17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:22
L13	1128	4 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:27
L14	262	13 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:27
L15	1103	13 not (438/121,125 or 29/829,830,835).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:28
L16	1099	15 not (8 9 10 11)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:28
S1	4	(("6225031") or ("6114098")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 16:14

## EAST Search History

S2	2512	(appelt or tsao).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:16
S3	537234€	(ADVANCED SEMICONDUCTOR ENGINEERING, INC)"as."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:16
S4	2607222	(ADVANCED SEMICONDUCTOR ENGINEERING, INC).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:17
S5	616	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:17
S6	22	cavity and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:18
S7	951815	cavity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:18
S8	655909	throughhole or (through adj hole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:19
S9	17	S5 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:19

## EAST Search History

S10	14	S9 not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:39
S11	6293	(438/121,125 or 29/829,830,835).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:40
S12	4962756	S7 or S8 or opening	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:40
S13	2894	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:40
S14	2894	S13 not (S1 S6 S9 S10)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:45
S15	13	(("6,506,626") or ("20010046725") or ("6,639,304") or ("6,501,168") or ("6, 195,264")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 16:48
S16	13	(("6,506,626") or ("6455926") or ("6, 639,304") or ("6,501,168") or ("6,195, 264")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 16:48
S17	16	("5485038"   "5509553"   "5525834"   "5656552"   "5724232"   "5808873"   "5830563"   "5837427"   "5854512"   "5877551"   "6020637"   "6271102"   "6326696"   "6329713").PN. OR ("6455926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 16:55

## EAST Search History

S18	33611	stiffener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:55
S19	2892	S14 not (S15 S16 S17)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 16:55
S20	87	S19 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 17:48
S21	2805	S19 not S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 17:52
S22	7	(aperture and S2 and S4) not (S6 S9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 17:54
S23	2805	S21 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 17:54
S24	517	S23 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 17:54
S25	27	("4086696"   "4143456"   "4763407"   "4819041"   "4843225"   "4916522"   "5102829"   "5241133"   "5258647"   "5285352"   "5359496"   "5371404"   "5420460"   "5455456"   "5557142"). PN. OR ("5926696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 18:20

## EAST Search History

S26	2288	S23 not (S24 S25)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 18:21
S27	36931	sacrificial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 18:21
S28	49	S26 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 18:25
S29	4	(("6225031") or ("6114098")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 11:43
S30	2517	(appelt or tsao).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S31	2608291	(ADVANCED SEMICONDUCTOR ENGINEERING, INC).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S32	619	S30 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S33	22	cavity and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43

## EAST Search History

S34	952205	cavity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S35	656158	throughhole or (through adj hole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S36	17	S32 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S37	14	S36 not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S38	6297	(438/121,125 or 29/829,830,835).ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S39	4964082	S34 or S35 or opening	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S40	2897	S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S41	2897	S40 not (S29 S33 S36 S37)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43

## EAST Search History

S42	13	(("6,506,626") or ("20010046725") or ("6,639,304") or ("6,501,168") or ("6,195,264")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 11:43
S43	13	(("6,506,626") or ("6455926") or ("6,639,304") or ("6,501,168") or ("6,195,264")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 11:43
S44	16	("5485038"   "5509553"   "5525834"   "5656552"   "5724232"   "5808873"   "5830563"   "5837427"   "5854512"   "5877551"   "6020637"   "6271102"   "6326696"   "6329713").PN. OR ("6455926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 11:43
S45	33625	stiffener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S46	2895	S41 not (S42 S43 S44)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S47	87	S46 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S48	2808	S46 not S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S49	7	(aperture and S30 and S31) not (S33 S36)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43

## EAST Search History

S50	2808	S48 not S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S51	517	S50 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S52	27	("4086696"   "4143456"   "4763407"   "4819041"   "4843225"   "4916522"   "5102829"   "5241133"   "5258647"   "5285352"   "5359496"   "5371404"   "5420460"   "5455456"   "5557142"). PN. OR ("5926696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 11:43
S53	2291	S50 not (S51 S52)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S54	36964	sacrificial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S55	49	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:43
S56	2242	S53 not S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:21